

## MERCHANT &amp; GOULD P.C.

## United States Patent Application

## DECLARATION

As a below named inventor, we hereby declare that: our residences, post office addresses and citizenships are as stated below next to our names; that

We verily believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled ADAPTIVE SEEK CONTROL FOR MAXIMUM PERFORMANCE WITH MINIMAL FILTER CORRUPTION, the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (described hereinbelow).

We hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. ☒ no such applications have been filed.  
 b. ☐ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

We hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

We hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)
60/284,471	April 17, 2001

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name Settje	First Given Name Chris	Second Given Name Thomas
0	Residence & Citizenship	City Westminster	State or Foreign Country Colorado	Country of Citizenship USA
1	Post Office Address	Post Office Address 9657 W. 99th Place	City Westminster	State & Zip Code/Country Colorado 80021
Signature of Inventor 201:			Date: 10/9/01	
2	Full Name Of Inventor	Family Name Bennett	First Given Name Frank	Second Given Name William
0	Residence & Citizenship	City Longmont	State or Foreign Country Colorado	Country of Citizenship USA
2	Post Office Address	Post Office Address 7772 Creatview Lane	City Longmont	State & Zip Code/Country Colorado 80504
Signature of Inventor 202:			Date: 10/9/01	
2	Full Name Of Inventor	Family Name	First Given Name	Second Given Name
0	Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
3	Post Office Address	Post Office Address	City	State & Zip Code/Country
Signature of Inventor 203:			Date:	
2	Full Name Of Inventor	Family Name	First Given Name	Second Given Name
0	Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
4	Post Office Address	Post Office Address	City	State & Zip Code/Country
Signature of Inventor 204:			Date:	

#### § 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information

material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Chris Thomas Settle; Frank William Burnett		
Serial No.:		Examiner:	
Filed:		Group Art Unit:	
Title:	ADAPTIVE SEEK CONTROL FOR MAXIMUM PERFORMANCE WITH MINIMAL FILTER CORRUPTION		
Docket:	STL10259/40176.63USU1		

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
(REVOCATION OF PRIOR POWERS)

As assignee of record of the entire interest of the above identified application, all powers of attorney previously given are hereby revoked and the following practitioners/patent agents are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith.

Shawn B. Dempster, Registration No. 34,321	Edward P. Heller, III, Registration No. 29,075
Jonathan E. Olson, Registration No. 41,231	Raghunath S. Minisandram, Registration No. 38,683
Derek J. Berger, Registration No. 45,401	Paul T. Dietz, Registration No. 38,858
Kirk A. Cesari, Registration No. 47,479	Carol I. Bordas, Registration No. 37,284
Mitchell K. McCarthy, Registration No. 38,794	

And members of the firm of Merchant & Gould P.C.

Albrecht, John W.	Reg. No. 40,481	Hope, Leonard J.	Reg. No. 44,774
Ali, M. Jeffor	Reg. No. 46,359	Jardine, John S.	Reg. No. P-48,835
Altera, Allan G.	Reg. No. 40,274	Johnston, Scott W.	Reg. No. 39,721
Anderson, Gregg I.	Reg. No. 28,828	Kadievitch, Natalie D.	Reg. No. 34,196
Batzli, Brian H.	Reg. No. 32,960	Kaseburg, Frederick A.	Reg. No. 47,695
Beard, John L.	Reg. No. 27,612	Kettelberger, Denise	Reg. No. 33,924
Berns, John M.	Reg. No. 43,496	Keys, Jeramie J.	Reg. No. 42,724
Branch, John W.	Reg. No. 41,633	Knearl, Homer L.	Reg. No. 21,197
Brown, Jeffrey C.	Reg. No. 41,643	Kowalchuk, Alan W.	Reg. No. 31,535
Bruess, Steven C.	Reg. No. 34,130	Kowalchuk, Katherine M.	Reg. No. 36,848
Byrne, Linda M.	Reg. No. 32,404	Lacy, Paul E.	Reg. No. 38,946
Campbell, Keith	Reg. No. 46,597	Larson, James A.	Reg. No. 40,443
Carlson, Alan G.	Reg. No. 25,959	Leonard, Christopher J.	Reg. No. 41,940
Caspers, Philip P.	Reg. No. 33,227	Liepa, Mara E.	Reg. No. 40,066
Clifford, John A.	Reg. No. 30,247	Lindquist, Timothy A.	Reg. No. 40,701
Cook, Jeffrey	Reg. No. P-48,649	Lown, Jean A.	Reg. No. 48,428
Daignault, Ronald A.	Reg. No. 25,968	Mayfield, Denise L.	Reg. No. 33,732
Daley, Dennis R.	Reg. No. 34,994	McDonald, Daniel W.	Reg. No. 32,044
Dalglish, Leslie E.	Reg. No. 40,579	McIntyre, Jr., William F.	Reg. No. 44,921
Daulton, Julie R.	Reg. No. 36,414	Mitchem, M. Todd	Reg. No. 40,731
DeVries Smith, Katherine M.	Reg. No. 42,157	Mueller, Douglas P.	Reg. No. 30,300
DiPietro, Mark J.	Reg. No. 28,707	Nelson, Anna M.	Reg. No. 48,935
Doscotch, Matthew A.	Reg. No. P-48,957	Parsons, Nancy J.	Reg. No. 40,364
Edell, Robert T.	Reg. No. 20,187	Pauly, Daniel M.	Reg. No. 40,123
Epp Ryan, Sandra	Reg. No. 39,667	Phillips, John B.	Reg. No. 37,206
Glance, Robert J.	Reg. No. 40,620	Pino, Mark J.	Reg. No. 43,858
Goggin, Matthew J.	Reg. No. 44,125	Prendergast, Paul	Reg. No. 46,068
Golla, Charles E.	Reg. No. 26,896	Pytel, Melissa J.	Reg. No. 41,512
Gorman, Alan G.	Reg. No. 38,472	Qualey, Terry	Reg. No. 25,148
Gould, John D.	Reg. No. 18,223	Reich, John C.	Reg. No. 37,703
Gregson, Richard	Reg. No. 41,804	Reiland, Earl D.	Reg. No. 25,767
Gresens, John J.	Reg. No. 33,112	Samuels, Lisa A.	Reg. No. 43,080
Hamer, Samuel A.	Reg. No. 46,754	Schmaltz, David G.	Reg. No. 39,828
Hamre, Curtis B.	Reg. No. 29,165	Schuman, Mark D.	Reg. No. 31,197
Harrison, Kevin C.	Reg. No. 46,759	Schumann, Michael D.	Reg. No. 30,422
Hertzberg, Bret A.	Reg. No. 42,660	Scull, Timothy B.	Reg. No. 42,137
Hillson, Randall A.	Reg. No. 31,838	Sebald, Gregory A.	Reg. No. 33,280
Helzer, Jr., Richard J.	Reg. No. 42,668	Skoog, Mark T.	Reg. No. 40,178

Spellman, Steven J.  
Stewart, Alan R.  
Stoll-DeBell, Kirstin L.  
Sullivan, Timothy  
Sumner, John P.  
Swenson, Erik G.  
Tellekson, David K.  
Trembath, Jon R.  
Tunheim, Marcia A.  
Underhill, Albert L.  
Vandenburgh, J. Derek  
Wahl, John R.

Reg. No. 45,124  
Reg. No. 47,974  
Reg. No. 43,164  
Reg. No. 47,981  
Reg. No. 29,114  
Reg. No. 45,147  
Reg. No. 32,314  
Reg. No. 38,344  
Reg. No. 42,189  
Reg. No. 27,403  
Reg. No. 32,179  
Reg. No. 33,044

Weaver, Paul L.  
Welter, Paul A.  
Whipps, Brian  
Whitaker, John E.  
Wier, David D.  
Williams, Douglas J.  
Withers, James D.  
Witt, Jonelle  
Wu, Tong  
Young, Thomas  
Zeuli, Anthony R.

Reg. No. P-48,640  
Reg. No. 20,890  
Reg. No. 43,261  
Reg. No. 42,222  
Reg. No. P-48,229  
Reg. No. 27,054  
Reg. No. 40,376  
Reg. No. 41,980  
Reg. No. 43,361  
Reg. No. 25,796  
Reg. No. 45,255

**CHANGE OF ATTORNEY'S/AGENT'S ADDRESS IN APPLICATION**

Merchant & Gould P.C.  
P.O. Box 2903  
Minneapolis, MN 55402-0903

**STATEMENT UNDER 37 CFR 3.73(b)**

Seagate Technology LLC states that it is the Assignee of Entire Interest in the patent application/patent identified above by virtue of an Assignment from the inventor(s) of the patent application/patent identified above. A copy of the Assignment is attached. The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Respectfully submitted,

SEAGATE TECHNOLOGY LLC  
(Assignee of Entire Interest)

17 OCT. '01

Date

  
Jonathan E. Olson, Registration No. 41,231

SEAGATE TECHNOLOGY LLC  
Intellectual Property - COL2LGL  
389 Disc Drive  
Longmont, Colorado 80501